

Chemistry: Unit 1: Lab Safety

| Learning Objectives | References | Supplemental Activities | Required Activities | |
|--|------------------------|---|---|---------|
| 1.1 The students will state and follow the rules of the lab. | Lecture #1: Lab Safety | V: Science Lab Safety Rap | Lab #1: Making Ice Cream | Test #1 |
| 1.2 The students will identify the safety equipment used in the lab, where it is stored, and how it is used. | | V: Science in Motion Safety Video | Lab #2: Techniques Lab #4 Antoine's Experiment | |
| 1.3 The students will appropriately use measurement devices, including pipettes, micropipettes, graduated cylinders, a balance, and a thermometer. | | | | |
| 1.4 The students will demonstrate the ability to use a filter, decant liquid, heat a test tube, transfer chemicals, and pour acid correctly. | | | | |
| 1.5 The students will identify how many significant figures are in a number. | Lecture #2: Sig Figs | Significant Figure Tutorial Significant Figure Rules Significant Figure Mathematical Review V: Significant Figures Made Easy | Lab #3: Sig Figs | |
| 1.6 The students will complete mathematical functions using significant figures. | | | | |
| 1.7 Students will distinguish between accuracy and precision of a measurement and determine which is best suited to a particular situation. | | | | |